

(FILE 'HOME' ENTERED AT 13:26:04 ON 19 SEP 2006)

FILE 'REGISTRY' ENTERED AT 13:26:20 ON 19 SEP 2006

L1 1 S GUANOSINE/CN
L2 0 S BETA-CAROTENE/CN
EXP BETA-CAROTENE/CN
EXP BETA CAROTENE/CN
EXP CAROTENE/CN
L3 1 S E3

FILE 'CAPLUS' ENTERED AT 13:28:11 ON 19 SEP 2006

L4 5326 S L1
L5 17 S L4 AND REGENERATION
L6 1 S L5 AND (BETA-CAROTENE)
L7 12 S L5 NOT PY>2000

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:30:35 ON 19 SEP 2006
SEA (REGENERAT? AND (EYE OR LENS))

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13 FILE ADISINSIGHT
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23 FILE AGRICOLA
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19 FILE DDFB
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19 FILE DRUGB
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2 FILE FROSTI
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813	FILE WPINDEX

L8 QUE (REGENERAT? AND (EYE OR LENS))

FILE 'BIOSIS' ENTERED AT 13:33:00 ON 19 SEP 2006

FILE 'BIOSIS, MEDLINE' ENTERED AT 13:33:08 ON 19 SEP 2006

L9	3391 S (REGENERAT? AND (EYE OR LENS))
L10	0 S L9 AND (BETA-CAROTENE)
L11	0 S L9 AND (CAROTENE)
L12	2 S L9 AND (GUANOSINE)

=> file registry
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 13:26:20 ON 19 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 18 SEP 2006 HIGHEST RN 907539-37-1
DICTIONARY FILE UPDATES: 18 SEP 2006 HIGHEST RN 907539-37-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

Effective September 24, 2006, Concord 3D coordinates will no longer
be available. Please contact CAS Customer Care
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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s guanosine/cn

L1 1 GUANOSINE/CN

=> s beta-carotene/cn

L2 0 BETA-CAROTENE/CN

=> exp beta-carotene/cn

E1	1	BETA-CARBONIC ANHYDRASE (PSEUDOALTEROMONAS HALOPLANKTIS STRA IN TAC125)/CN
E2	1	BETA-CARDONE/CN
E3	0 -->	BETA-CAROTENE/CN
E4	1	BETA-CAROTENE 15, 15'-DIOXYGENASE (DANIO RERIO CLONE MGC:565 69 IMAGE:5914836)/CN
E5	1	BETA-CAROTENE DESATURASE/METHYLASE (STREPTOMYCES AVERMITILIS STRAIN MA-4680 GENE CRTU)/CN
E6	1	BETA-CAROTENE DIOXYGENASE 2 (XENOPUS TROPICALIS CLONE MGC:89 365 IMAGE:6988371 GENE BCDO2-PROV)/CN
E7	1	BETA-CAROTENE HYDROXYLASE (ARABIDOPSIS THALIANA CLONE RAFL04 -15-D09 (R09533) GENE AT4G25700)/CN
E8	1	BETA-CAROTENE HYDROXYLASE (ARABIDOPSIS THALIANA CLONE RAFL09 -37-B08 (R18630) GENE AT5G52570)/CN
E9	1	BETA-CAROTENE HYDROXYLASE (ARABIDOPSIS THALIANA GENE L73G19. 80)/CN
E10	1	BETA-CAROTENE HYDROXYLASE (ARABIDOPSIS THALIANA STRAIN COLUM BIA CLONE F6N7)/CN
E11	1	BETA-CAROTENE HYDROXYLASE (ORYZA SATIVA JAPONICA GENE OSJNBA 0053C23.24)/CN
E12	1	BETA-CAROTENE HYDROXYLASE (PARACOCUS HAEUNDAENSIS GENE CRTZ) /CN

```
=> exp beta carotene/cn
E1      1      BETA CARBONIC ANHYDRASE (BURKHOLDERIA THAILANDENSIS STRAIN E
          264)/CN
E2      2      BETA CARBONIC ANHYDRASE (CHLAMYDOMONAS REINHARDTII GENE CAH6
          )/CN
E3      0 --> BETA CAROTENE/CN
E4      1      BETA CAROTENE HYDROXYLASE (PROCHLOROCOCCUS MARINUS STRAIN MI
          T9313 GENE CRTR)/CN
E5      1      BETA CAROTENE HYDROXYLASE (SULFOLOBUS SOLFATARICUS GENE CRTZ
          )/CN
E6      1      BETA CHAIN (STREPTOCOCCUS PNEUMONIAE STRAIN R6 GENE GLYS)/CN
E7      1      BETA CHAIN (YERSINIA PESTIS STRAIN CO92 GENE YPO1928)/CN
E8      1      BETA CHEMOKINE (HUMAN)/CN
E9      1      BETA CHEMOKINE EXODUS-2 (HUMAN CELL LINE THP-1)/CN
E10     1      BETA CHEMOKINE EXODUS-2 (MOUSE)/CN
E11     1      BETA CHEMOKINE EXODUS-3 (HUMAN CELL LINE THP-1)/CN
E12     1      BETA DEFENSIN 127, PREPROPROTEIN (HUMAN CLONE MGC:97392 IMAG
          E:7262668)/CN
```

```
=> exp carotene/cn
E1      1      CAROTENAL SOLUTION #73/CN
E2      1      CAROTENASE/CN
E3      1 --> CAROTENE/CN
E4      1      CAROTENE 3,3'-HYDROXYLASE/CN
E5      2      CAROTENE 7,8-DESATURASE (PROCHLOROCOCCUS MARINUS STRAIN MIT
          9312)/CN
E6      1      CAROTENE BASE 33044/CN
E7      1      CAROTENE BASE 80S/CN
E8      1      CAROTENE CYCLASE/CN
E9      1      CAROTENE DESATURASE (BREVIBACTERIUM LINENS STRAIN ATCC 9175
          GENE CRTU)/CN
E10     1      CAROTENE MONOOXYGENASE/CN
E11     1      CAROTENE OXIDASE/CN
E12     1      CAROTENE SYNTHESIS PROTEIN FUSION (SYNTHETIC GENE CRTEBIWY)/
          CN
```

```
=> d E3
L2 HAS NO ANSWERS
L2      0 SEA FILE=REGISTRY BETA-CAROTENE/CN
```

```
=> s E3
L3      1 CAROTENE/CN
```

```
=> d l3
```

```
L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
```

```
RN 36-88-4 REGISTRY *
```

```
* Use of this CAS Registry Number alone as a search term in other STN files may
  result in incomplete search results. For additional information, enter HELP
  RN* at an online arrow prompt (=>).
```

```
ED Entered STN: 16 Nov 1984
```

```
CN Carotenes and Carotenoids (CA INDEX NAME)
```

```
OTHER CA INDEX NAMES:
```

```
CN Carotene
```

```
CN Carotenes
```

```
CN Carotenoids
```

```
OTHER NAMES:
```

```
CN Phytoanthins
```

```
DR 8063-05-6
```

```
MF Unspecified
```

```
CI MAN, CTS
```

```
LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN,
```

EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, TOXCENTER, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

24 REFERENCES IN FILE CA (1907 TO DATE)

24 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

17.50

17.71

FILE 'CAPLUS' ENTERED AT 13:28:11 ON 19 SEP 2006

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FILE COVERS 1907 - 19 Sep 2006 VOL 145 ISS 13

FILE LAST UPDATED: 18 Sep 2006 (20060918/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l1

L4 5326 L1

=> s l4 and regeneration

107585 REGENERATION

L5 17 L4 AND REGENERATION

=> s l5 and (beta-carotene)

1403968 BETA

30696 CAROTENE

20172 BETA-CAROTENE

(BETA(W) CAROTENE)

L6 1 L5 AND (BETA-CAROTENE)

=> d l6 1 ti abs bib

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

TI Methods for transdifferentiation of body tissues

AB This invention relates to methods for transdifferentiation of body tissues which can be used to generate specific cell types needed for regenerating organs or body parts, following cellular degeneration, injury or amputation. The present invention also describes the use of tissue transdifferentiation for treating cancer and autoimmune diseases.

AN 2001:100986 CAPLUS <<LOGINID::20060919>>

DN 134:141776

TI Methods for transdifferentiation of body tissues

IN Baranowitz, Steven

PA USA

SO PCT Int. Appl., 51 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001008691	A1	20010208	WO 2000-US21015	20000731
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	CA 2378140	AA	20010208	CA 2000-2378140	20000731
	EP 1200101	A1	20020502	EP 2000-955323	20000731
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL	
	JP 2003528577	T2	20030930	JP 2001-513421	20000731
	AU 782396	B2	20050721	AU 2000-67545	20000731
	US 6670397	B1	20031230	US 2001-856881	20010524
	US 2003229008	A1	20031211	US 2003-600745	20030619
PRAI	US 1999-146272P	P	19990729		
	US 1999-168555P	P	19991202		
	WO 2000-US21015	W	20000731		
	US 2001-856881	A3	20010524		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 15 not py>2000
 6267738 PY>2000
 L7 12 L5 NOT PY>2000

=> d 17 1-12 ti

L7 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Phosphorylation of guanosine using guanosine-inosine kinase from Exiguobacterium acetylicum coupled with ATP regeneration

L7 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Axon outgrowth is regulated by an intracellular purine-sensitive mechanism in retinal ganglion cells

L7 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Separation of nucleosides and nucleic-acid bases by ligand-exchange chromatography using copper(2+) - and nickel(2+) -loaded glyoximated diaminosporopollenin derivatives

L7 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Adenylic acid catabolism in thymocytes of the regenerating thymus of mice

L7 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Regeneration of 2,3-bisphosphoglycerate and ATP of stored erythrocytes by phosphoenolpyruvate; a new preservative for blood storage

L7 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Chromatographic separation of nucleosides. Spectrophotometric separation and determination

L7 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

TI Biochemical stigmata of epidermis reactivity. I. Behavior of acid-soluble, ultraviolet-absorbing compounds of guinea pig epidermis under the influence of autolysis, regeneration stimulation, cetane application, and methotrexate treatment

L7 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

TI Action of some drugs on liver regeneration in rats

L7 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

TI Autoradiographic study of the incorporation of nucleic acid precursors by neurons and glia during nerve regeneration

L7 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

TI Influence of 5-phosphoribosyl-1-pyrophosphate on the bio-synthesis of purine bases in tissues with low or high capacity for purine synthesis in vitro

L7 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

TI In vitro synthesis of energy-rich phosphates in cerebral tissue

L7 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

TI Erythrocyte preservation. VII. Acid-citrate-dextrose inosine (ACDI) as a preservative for blood storage at 4°

=> d 17 7 8 9 ti abs bib

L7 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

TI Biochemical stigmata of epidermis reactivity. I. Behavior of acid-soluble, ultraviolet-absorbing compounds of guinea pig epidermis under the influence of autolysis, regeneration stimulation, cetane application, and methotrexate treatment

AB Changes in the amts. of acid-soluble, uv-absorbing material in guinea pig epidermis following stimulation by repeated shaving or with cetane (hexadecane) or methotrexate (2 mg./kg./day for 8 days or 6 weeks) were studied by column chromatog. on Dowex 50-X8 eluted with HCOONH₄. Fractions Ia-c contained AMP, GMP, CMP, and UMP; Id/e, hypoxanthine and guanosine; IIa1, free guanine; IIa2, probably cytosine; IIa3, probably cytidine; III, which contained more than half of the total uv-absorbing material, contained urocanic acid; and IV, free adenine. Under autolytic conditions (hydrolysis of skin in HClO₄), uv-absorbing fractions decreased. Skin stimulation by shaving, as well as cetane application, decreased fractions Id/e, IIa2, and particularly III; fractions Ia-c and IV were not significantly affected. Fraction IIa1 was observed after both treatments but not in controls; fraction IIa3 was observed only after treatment with cetane. Methotrexate treatment for 8 days reduced fractions Id/e, IIa2, IV, and particularly Ia-c, produced IIa1, did not affect III, and did not produce IIa3. After methotrexate treatment for 6 weeks, fractions Ia-c and III were similar to control values, and IV, Id/e, and particularly IIa2 were reduced. The levels of IIa1 were the highest observed; no IIa3 was produced. Fraction III is related to keratohyalin formation in the keratotic process.

AN 1968:85688 CAPLUS <<LOGINID::20060919>>

DN 68:85688

TI Biochemical stigmata of epidermis reactivity. I. Behavior of acid-soluble, ultraviolet-absorbing compounds of guinea pig epidermis under the influence of autolysis, regeneration stimulation, cetane application, and methotrexate treatment

AU Schwarz, Eberhard; Klaschka, F.

CS Rudolf Virchow-Krankenhaus, Berlin, Fed. Rep. Ger.

SO Hautarzt (1967), 18(12), 532-5

CODEN: HAUTAW; ISSN: 0017-8470

DT Journal

LA German

L7 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Action of some drugs on liver regeneration in rats
 AB Urethan (100 mg./kg., given 3 times s.c.), ascorbic acid (250 mg./kg., given 3 times orally), rat liver homogenate, and hydrolyzed brewer's yeast enhanced regeneration of the liver in rats, while a 120 mg./kg. dose of a mixture containing guanosine, inosine, adenine, and Na UTP was inhibitory. RNA, cysteine, p-aminobenzoic acid, betaine, methionine, vitamin B12, DPN, vitamin B1, Na dehydrocholate, glycine, glucose, histidine, adrenaline, alloxan, hexobarbital, and barbitol were without effect.
 AN 1967:452498 CAPLUS <<LOGINID::20060919>>
 DN 67:52498
 TI Action of some drugs on liver regeneration in rats
 AU Carminati, Gian M.; Cattorini, M.; Spina, Giuseppe
 CS Lab. Farmacol., Milan, Italy
 SO Bollettino Chimico Farmaceutico (1967), 106(5), 322-7
 CODEN: BCFAAI; ISSN: 0006-6648
 DT Journal
 LA Italian

L7 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Autoradiographic study of the incorporation of nucleic acid precursors by neurons and glia during nerve regeneration
 AB One hypoglossal or facial nerve was cut, crushed, or ligated in mice, rats, and rabbits, which were then permitted to survive for varying periods. Uridine-3H, guanosine-3H, adenosine-3H, thymidine-3H, or lysine-3H was injected into the cerebral ventricles or cisterns. The uptake of tritium by neurons and glia, and its distribution between intracellular compartments were determined autoradiographically. In both normal and injured neurons, RNA precursors were incorporated first within the nucleus, and later within the cytoplasm, indicating an apparent transfer of RNA from nucleus to cytoplasm. After nerve division the uptake of RNA precursors and of lysine-3H, as well as the rate of apparent transfer of RNA from nucleus to cytoplasm, increased within 48 hrs. Within 5 days the number of perineuronal glial cells increased and they synthesized DNA. All of these changes accompanied cytoplasmic swelling of the neurons. In the rabbit, endothelial cells of capillaries of the nucleus of the injured nerve synthesized DNA. The results are discussed in relation to measurements of RNA and protein contents of regenerating neurons, and in relation to probable changes in metabolism of the injured nerve cells. 28 references
 AN 1965:491815 CAPLUS <<LOGINID::20060919>>
 DN 63:91815
 OREF 63:16894f-h
 TI Autoradiographic study of the incorporation of nucleic acid precursors by neurons and glia during nerve regeneration
 AU Watson, W. E.
 CS Univ. Edinburgh, UK
 SO Journal of Physiology (Cambridge, United Kingdom) (1965), 180(4), 741-53
 CODEN: JPHYA7; ISSN: 0022-3751
 DT Journal
 LA English

=> d 17 2 ti abs bib

L7 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Axon outgrowth is regulated by an intracellular purine-sensitive mechanism in retinal ganglion cells
 AB Although purinergic compds. are widely involved in the intra- and intercellular communication of the nervous system, little is known of their involvement in the growth and regeneration of neuronal connections. In dissociated cultures, the addition of adenosine or guanosine
 in

the low micromolar range induced goldfish retinal ganglion cells to extend lengthy neurites and express the growth-associated protein GAP-43. These effects were highly specific and did not reflect conversion of the nucleosides to their nucleotide derivs.; pyrimidines, purine nucleotides, and membrane-permeable, nonhydrolyzable cyclic nucleotide analogs were all inactive. The activity of adenosine required its conversion to inosine, because inhibitors of adenosine deaminase rendered adenosine inactive. Exogenously applied inosine and guanosine act directly upon an intracellular target, which may coincide with a kinase described in PC12 cells. In support of this, the effects of the purine nucleosides were blocked with purine transport inhibitors and were inhibited competitively with the purine analog 6-thioguanine (6-TG). In PC12 cells, others have shown that 6-TG blocks nerve growth factor-induced neurite outgrowth and selectively inhibits the activity of protein kinase N, a partially characterized, nerve growth factor-inducible serine-threonine kinase. In both goldfish and rat retinal ganglion cells, 6-TG completely blocked outgrowth induced by other growth factors, and this inhibition was reversed with inosine. These results suggest that axon outgrowth in central nervous system neurons critically involves an intracellular purine-sensitive mechanism.

AN 1998:736966 CAPLUS <<LOGINID::20060919>>
 DN 130:79301
 TI Axon outgrowth is regulated by an intracellular purine-sensitive mechanism in retinal ganglion cells
 AU Benowitz, Larry I.; Jing, Yun; Tabibiazar, Raymond; Jo, Sangmee A.; Petrusch, Barbara; Stuermer, Claudia A. O.; Rosenberg, Paul A.; Irwin, Nina
 CS Laboratories for Neuroscience Research in Neurosurgery, Harvard Medical School, Children's Hospital, Boston, MA, 02115, USA
 SO Journal of Biological Chemistry (1998), 273(45), 29626-29634
 CODEN: JBCHA3; ISSN: 0021-9258
 PB American Society for Biochemistry and Molecular Biology
 DT Journal
 LA English
 RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
 COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.30	45.01
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		
CA SUBSCRIBER PRICE	-3.75	-3.75

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:30:35 ON 19 SEP 2006

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s (regenerat? and (eye or lens))

1 FILE ADISCTI
 13 FILE ADISINSIGHT
 1 FILE ADISNEWS
 23 FILE AGRICOLA
 4 FILE ANABSTR

4 FILE ANTE
 126 FILE AQUASCI
 29 FILE BIOENG
 1608 FILE BIOSIS
 111 FILE BIOTECHABS
 111 FILE BIOTECHDS
 114 FILE BIOTECHNO
 110 FILE CABA
 1970 FILE CAPLUS
 3 FILE CEABA-VTB
 10 FILE CIN
 18 FILE CONFSCI
 4 FILE CROPU
 19 FILE DDFB
 28 FILE DDFU
 28511 FILE DGENE
 110 FILE DISSABS
 19 FILE DRUGB
 66 FILE DRUGU
 8 FILE EMBAL
 1241 FILE EMBASE
 418 FILE ESBIODASE

30 FILES SEARCHED...

2 FILE FROSTI
 1 FILE FSTA
 57 FILE GENBANK
 3 FILE HEALSAFE
 457 FILE IFIPAT
 1 FILE IMSDRUGNEWS
 2 FILE IMSPRODUCT
 7 FILE IMSRESEARCH
 885 FILE JICST-EPLUS
 11 FILE KOSMET
 243 FILE LIFESCI
 1783 FILE MEDLINE
 35 FILE NTIS
 2 FILE NUTRACEUT
 4 FILE OCEAN
 939 FILE PASCAL
 2 FILE PHAR
 1 FILE PHARMAML
 45 FILE PHIN
 978 FILE PROMT
 4 FILE PROUSDDR
 16 FILE RDISCLOSURE

57 FILES SEARCHED...

1034 FILE SCISEARCH
 549 FILE TOXCENTER
 17450 FILE USPATFULL
 1928 FILE USPAT2
 9 FILE VETU
 2 FILE WATER
 813 FILE WPIDS
 43 FILE WPIFV
 813 FILE WPINDEX

58 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L8 QUE (REGENERAT? AND (EYE OR LENS))

=> file biosis

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

2.44

TOTAL

SESSION

47.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-3.75

FILE 'BIOSIS' ENTERED AT 13:33:00 ON 19 SEP 2006
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FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 13 September 2006 (20060913/ED)

=> file biosis medline	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.87	48.32

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-3.75

FILE 'BIOSIS' ENTERED AT 13:33:08 ON 19 SEP 2006
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FILE 'MEDLINE' ENTERED AT 13:33:08 ON 19 SEP 2006

=> s (regenerat? and (eye or lens))
L9 3391 (REGENERAT? AND (EYE OR LENS))

=> s l9 and (beta-carotene)
L10 0 L9 AND (BETA-CAROTENE)

=> s l9 and (carotene)
L11 0 L9 AND (CAROTENE)

=> s l9 and (guanosine)
L12 2 L9 AND (GUANOSINE)

=> d l12 1-2 ti

L12 ANSWER 1 OF 2 MEDLINE on STN
TI GTP binding protein: properties and lack of activation by phosphorylated rhodopsin.

L12 ANSWER 2 OF 2 MEDLINE on STN
TI Axonal transport of radioactivity in the goldfish optic system following intraocular injection of labelled RNA precursors.

=> d l12 1-2 ti abs bib

L12 ANSWER 1 OF 2 MEDLINE on STN
TI GTP binding protein: properties and lack of activation by phosphorylated rhodopsin.
AB Taking advantage of the capability of GTP binding protein to bind GTP, we purified the catalytic subunit (G alpha) of bovine rod GTP binding protein by nucleotide-affinity chromatography on Blue Sepharose CL6B. Purified G alpha was essentially free of bound guanine nucleotide and activated by photoactivated rod membranes. Circular dichroism spectra suggested that a significant portion of the protein would be in alpha-helical conformation. No appreciable differences were detected in the circular dichroism spectra

when G alpha . GDP and G alpha . GppNp were compared. The extent of G protein activation by rod membranes was reduced moderately by phosphorylation of rhodopsin during photolysis. However, if the pigment had been phosphorylated and regenerated, the ability of rhodopsin to activate G protein was markedly suppressed.

AN 85194223 MEDLINE <<LOGINID::20060919>>
DN PubMed ID: 6442816
TI GTP binding protein: properties and lack of activation by phosphorylated rhodopsin.
AU Shichi H; Yamamoto K; Somers R L
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Journal code: 0417402. ISSN: 0042-6989.
CY ENGLAND: United Kingdom
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LA English
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EM 198506
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AU Ingoglia N A; Grafstein B; McEwen B S; McQuarrie I G
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CY ENGLAND: United Kingdom
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FS Priority Journals
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ED Entered STN: 10 Mar 1990
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Entered Medline: 24 Sep 1973